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MR0031029 (11,88h) 27.2X Esenin-Vol′pin, A. S.

On the relation between the local and integral weight in dyadic bicompacta. (Russian) *Doklady Akad. Nauk SSSR (N.S.)* 68, (1949). 441–444

Let γ be any cardinal number, and let D_{γ} be the Cartesian product of a family of cardinal number γ of T_1 -spaces, each containing exactly two points. A Hausdorff space is said to be a dyadic bicompactum if it is the continuous image of some space D_{γ} . For any cardinal number γ , let $\chi(\gamma)$ denote the least cardinal number such that γ is the sum of $\chi(\gamma)$ cardinal numbers each less than γ . The following theorems are proved. (1) The character of any infinite dyadic bicompactum is the upper bound of all of its point characters. (2) If a dyadic bicompactum X has character m and if $(m) > \aleph_0$, then X contains a point whose character is m.

Reviewed by E. Hewitt

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